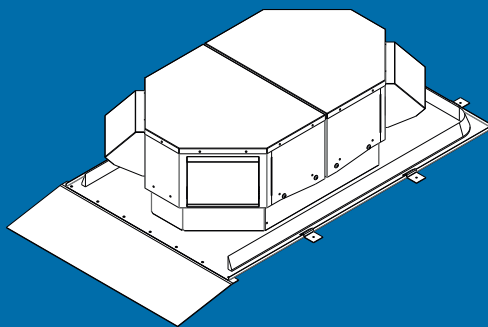
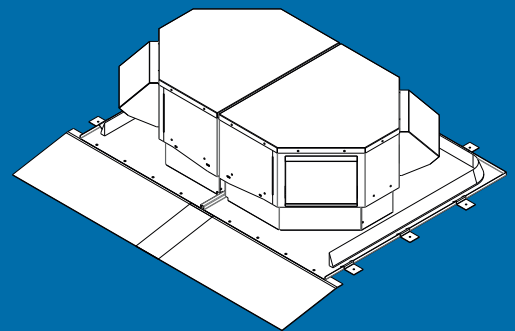


portrait
(modular)



portrait
(project)



landscape
(modular)

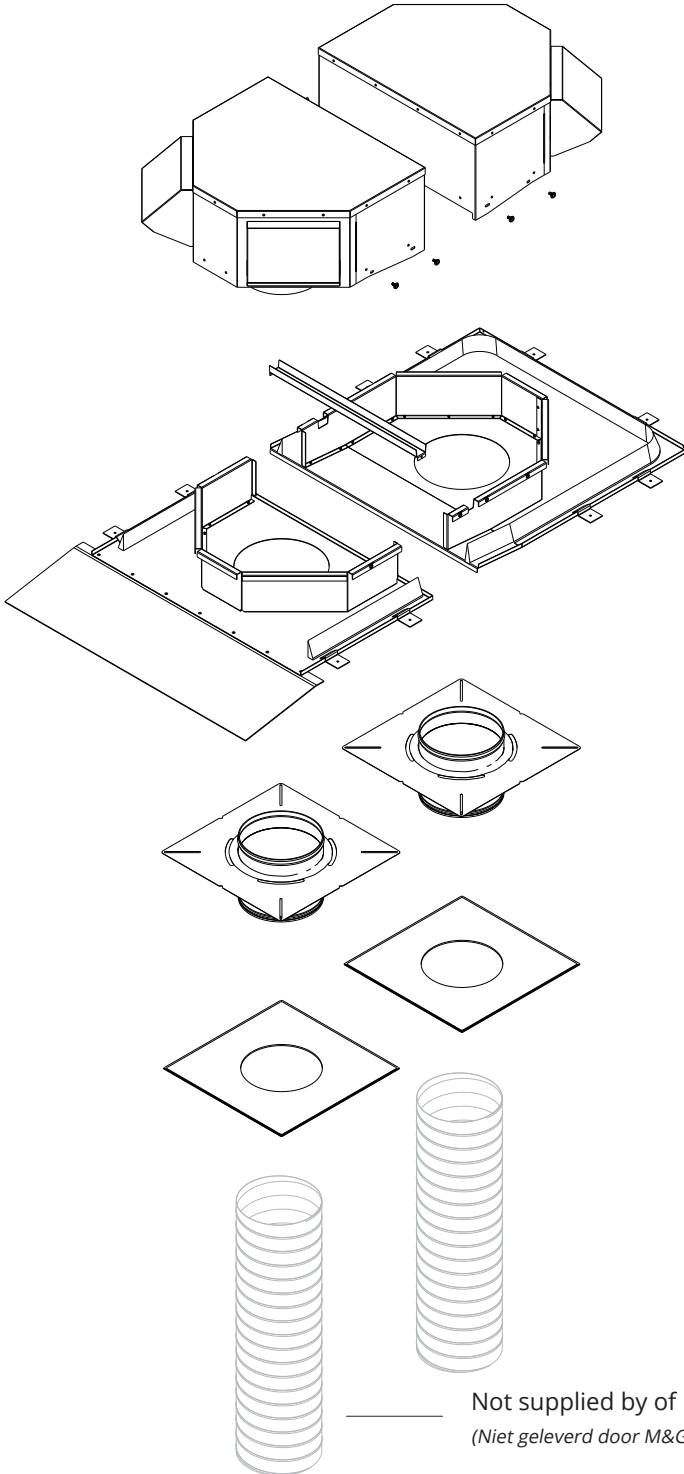
ELYTRA COMBINED ROOF TERMINAL

INSTALLATION INSTRUCTION

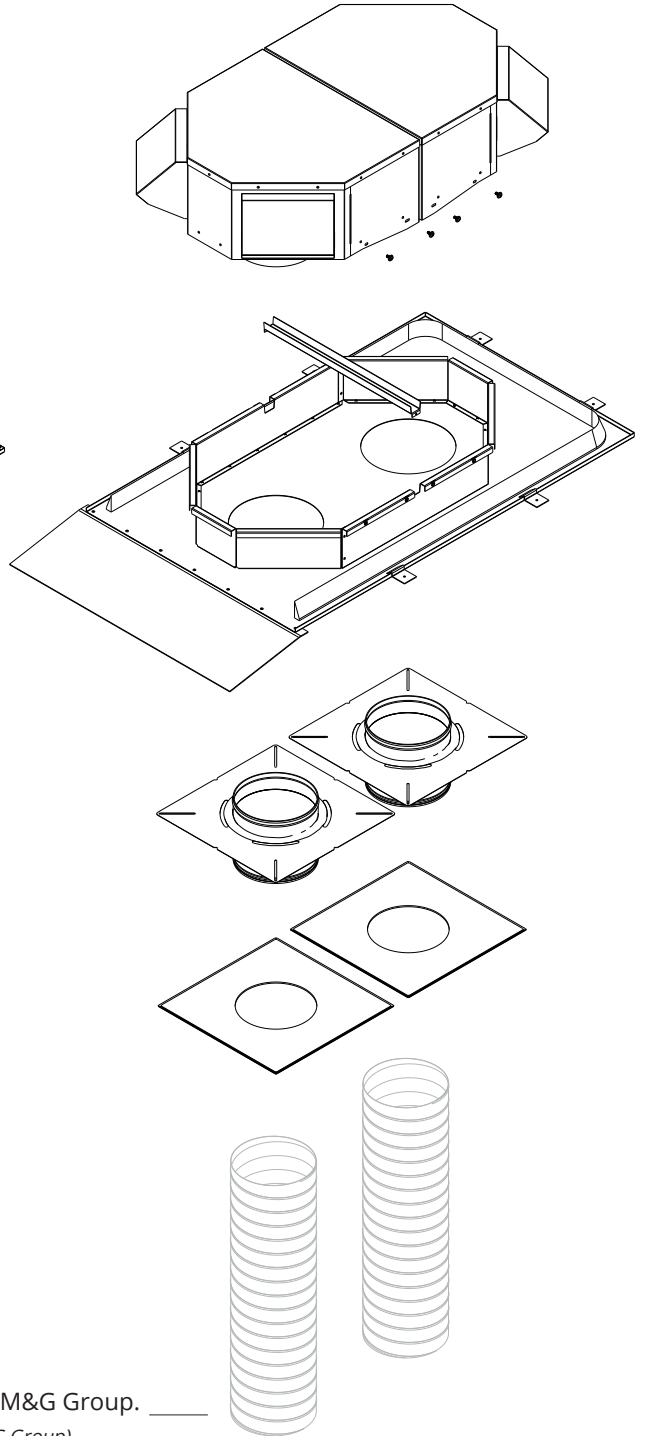
1 ELYTRA - Delivery (Aanlevering)

Portrait

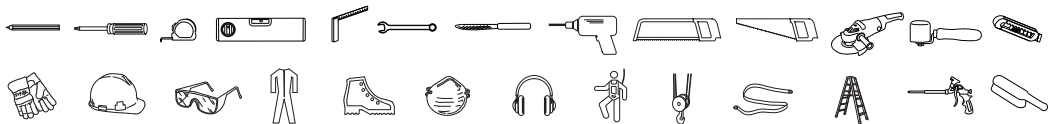
Modular



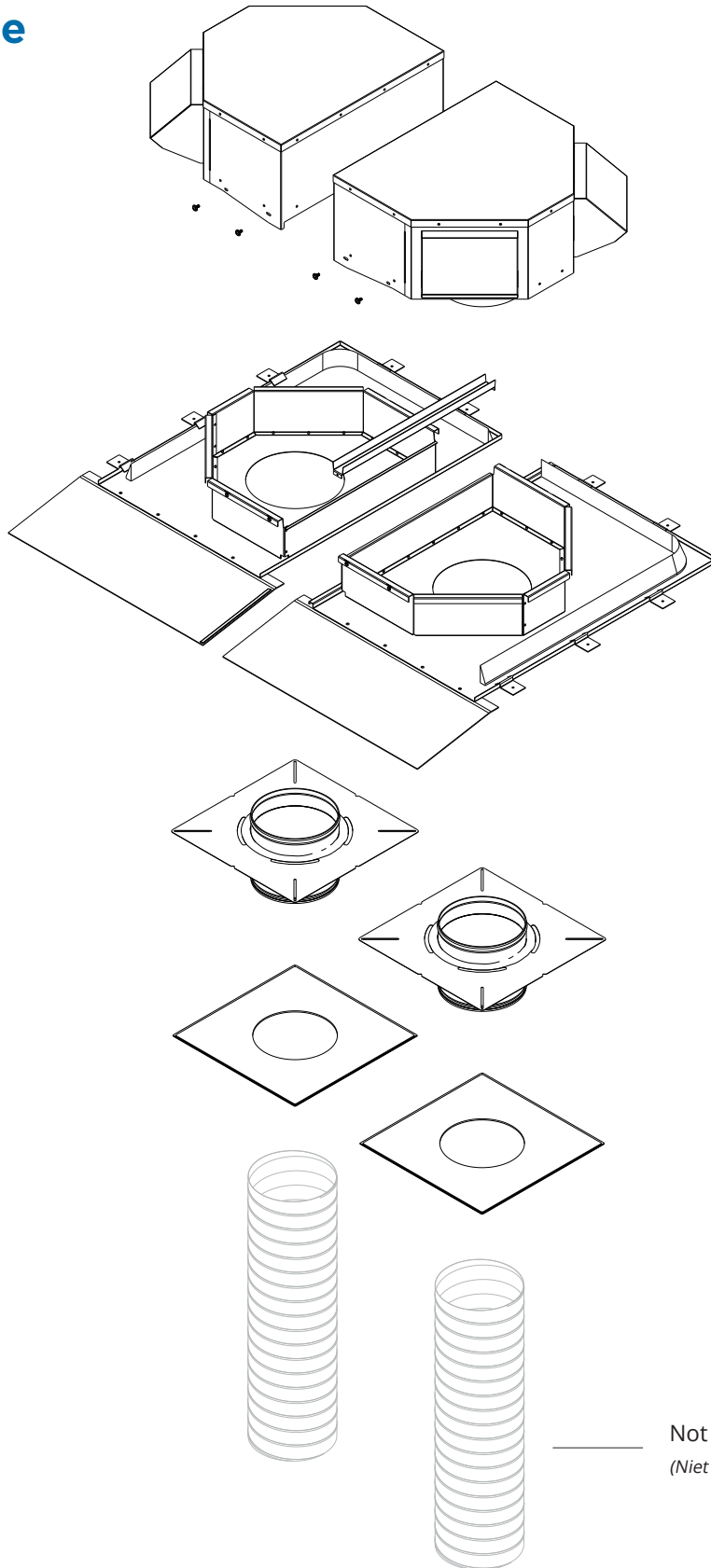
Project



Not supplied by of M&G Group.
(Niet geleverd door M&G Group)

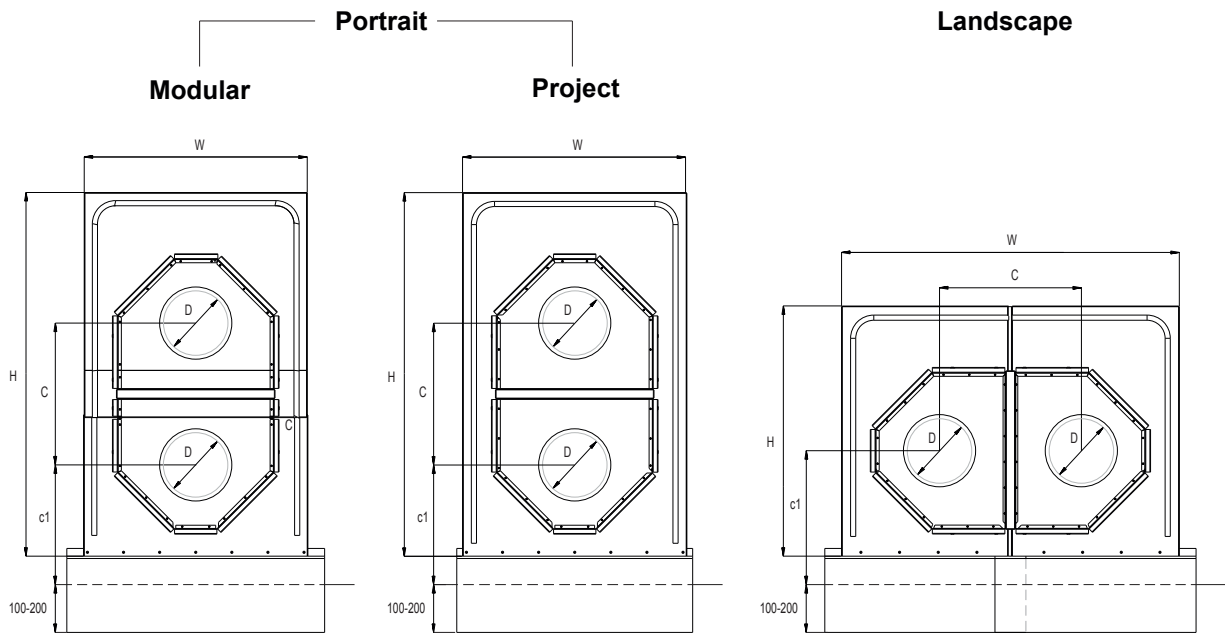


Landscape

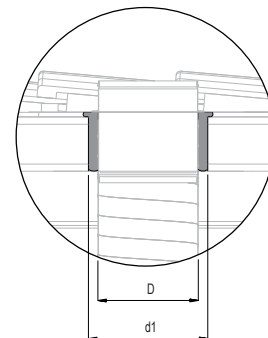


Not supplied by of M&G Group.
(Niet geleverd door M&G Group)

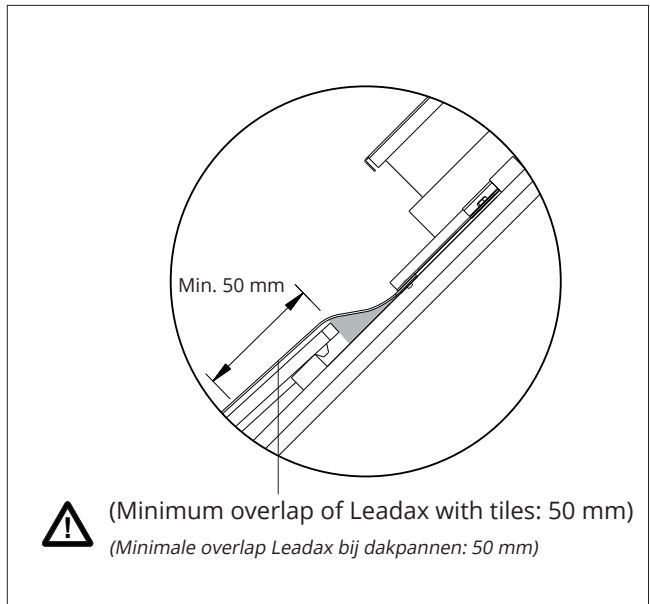
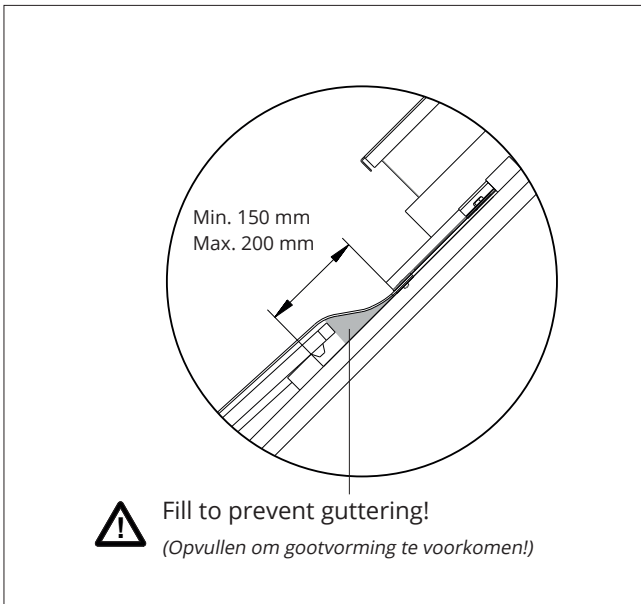
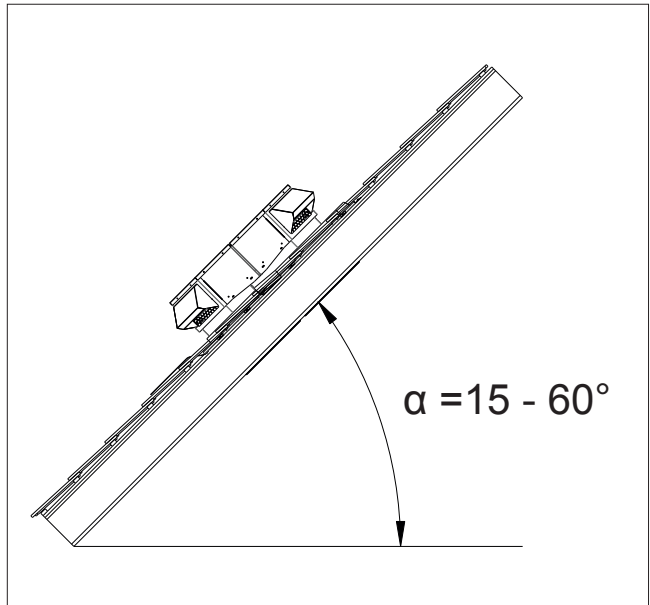
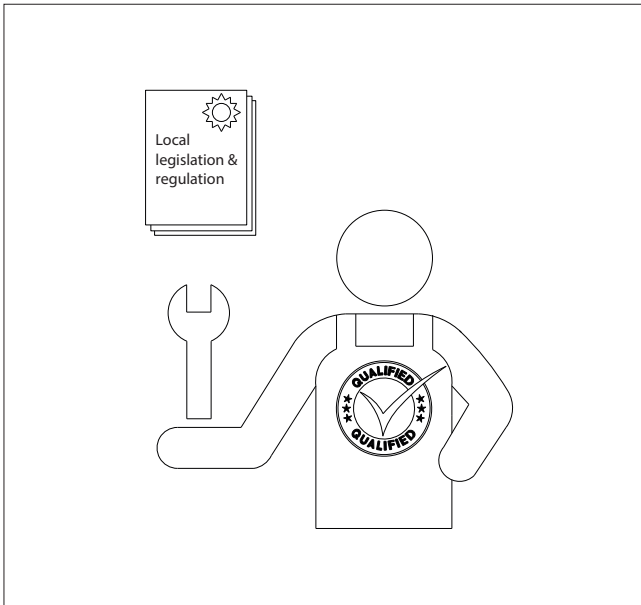
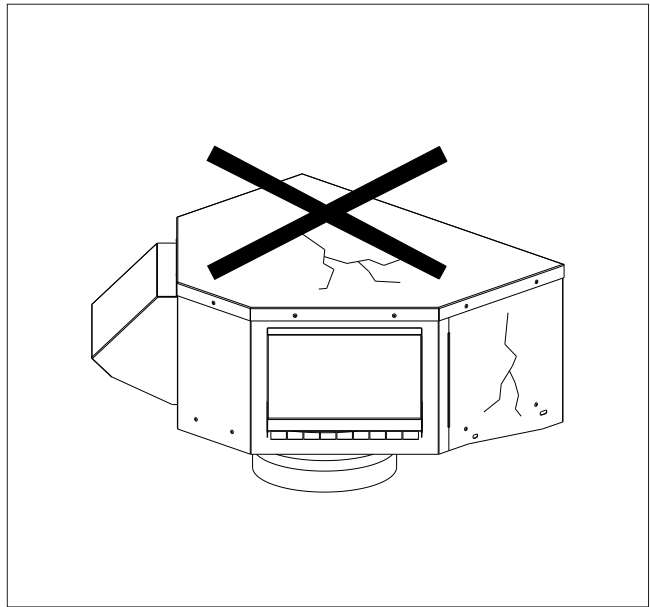
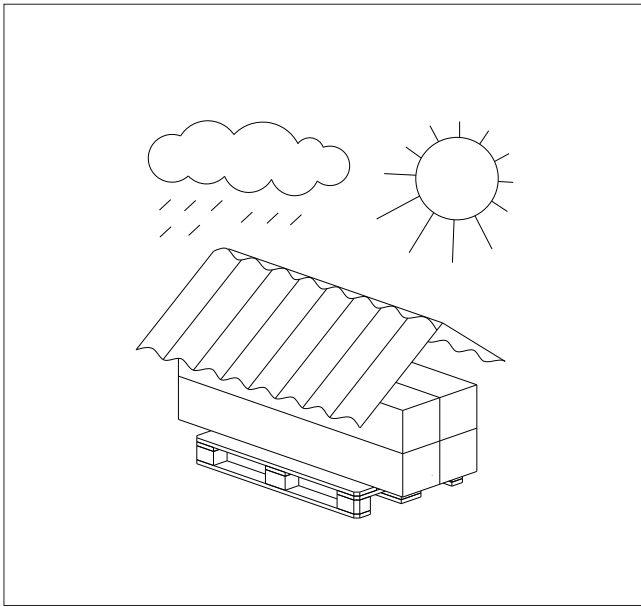
2 ELYTRA - Dimensions (Afmetingen)

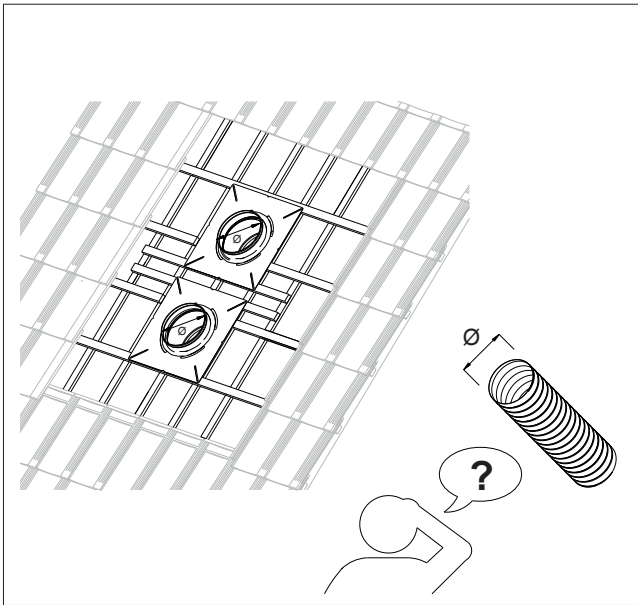


Dimensions in mm	Portrait (Modular / Project)	Landscape
Width (W)	870	1310
Height (H)	1410	970
Pipe diameter (D)	250	250
Hole diameter (d1)	310	310
Center distance (C)	550	550
Center pipe - batten (c1)	450 - 550	500 - 600



3 Installation instructions (Installatie voorschriften) Burgerhout® an M&G company



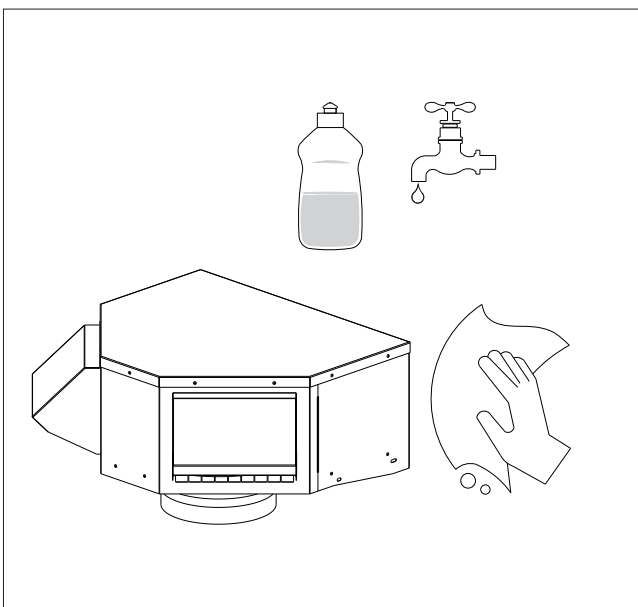
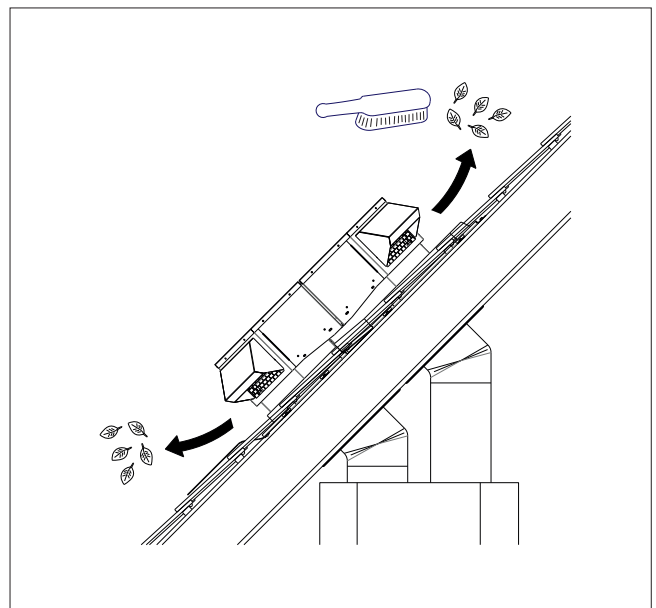


⚠ Attention: Secure the roof tiles with the associated tile hooks according to the manufacturer's instructions of the roof tiles.

(Let op: Borg de dakpannen met bijbehorende panhaken volgens de instructies van de dakpannenfabrikant.)

⚠ Attention: Make sure that all parts of the combined roof terminal are properly secured and the fasteners are securely tightened.

(Let op: Zorg ervoor dat alle onderdelen van de dakkap goed geborgd worden en dat de bevestigingsmiddelen vast zitten.)



 mg-group.com

1

Remove roof tiles in the position the Elytra will be installed.
Remove enough tiles to clear a safe workspace and to position the Elytra properly.

(Verwijder de dakpannen op de positie waar de Elytra geplaatst wordt. Verwijder genoeg dakpannen zodat ruimte ontstaat om veilig te werken en om de Elytra goed te positioneren.)



Ensure good moisture protection in accordance with NEN 2778.

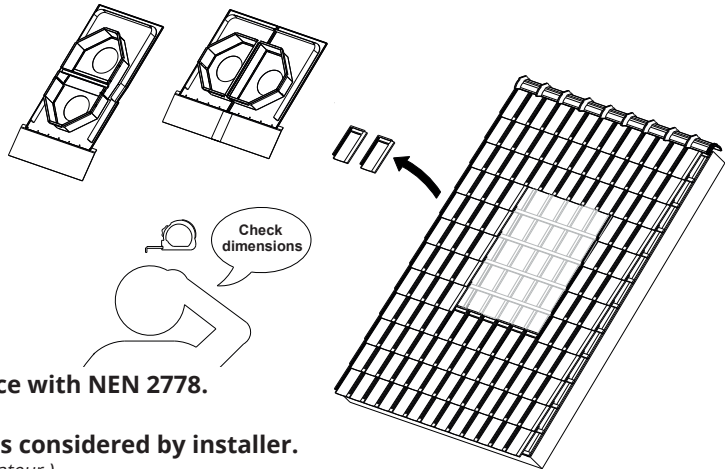
(Zorg voor een goede vochtwering conform NEN 2778.)

Standard installation on horizontal battens, as considered by installer.

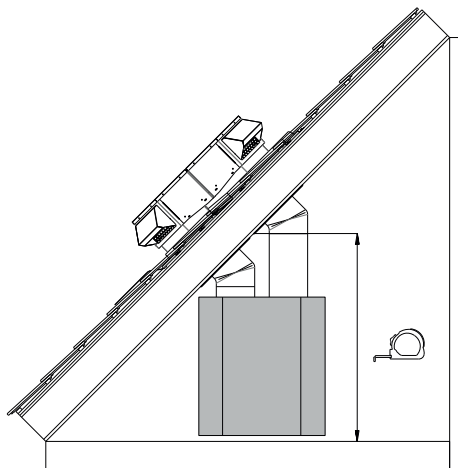
(Standaard installatie op panlatten, naar inschatting van installateur.)


Make sure the roof construction is properly assessed by a structural engineer.

(Zorg ervoor dat de dakconstructie goed wordt beoordeeld door een constructeur.)



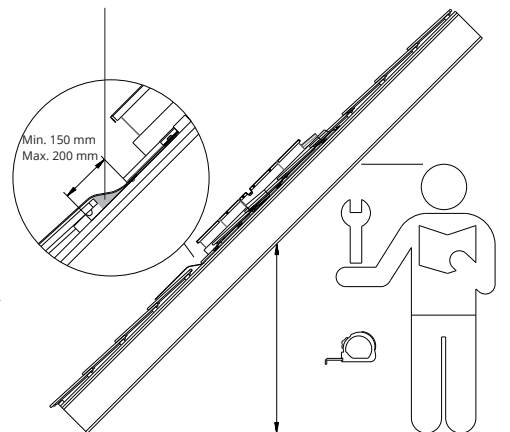
2




 **Determine optimal system height.**
(Bepaal optimale systeemhoogte.)

3

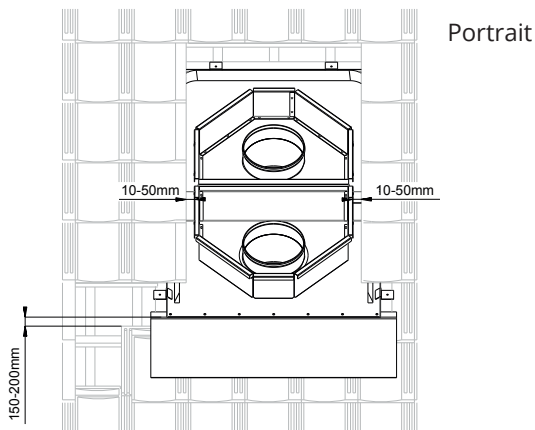
Fill to prevent guttering!
(Opvullen om goot vorming te voorkomen!)




 **Optimal height to be determined on site.**
(Optimale hoogte ter plaatse te bepalen.)

4

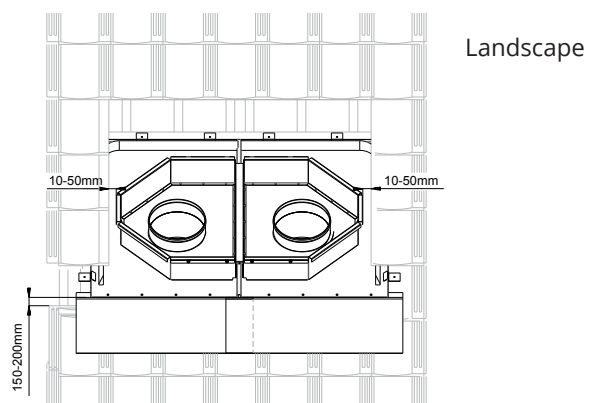
Determine position in relation to roof tiles.
(Positie bepalen ten opzichte van de dakpannen.)



 **Bottom is leading.**
(Onderzijde is leidend.)

5

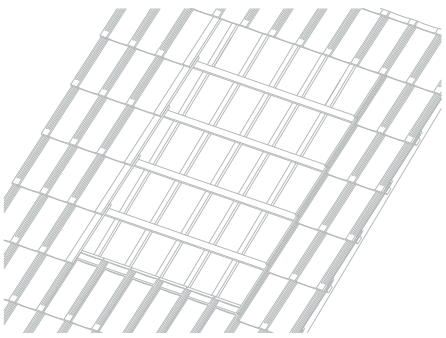
Determine position in relation to roof tiles.
(Positie bepalen ten opzichte van de dakpannen.)



 **Bottom is leading.**
(Onderzijde is leidend.)

5 Roof installation (Installatie op het dak) - Portrait (Modular/Project)

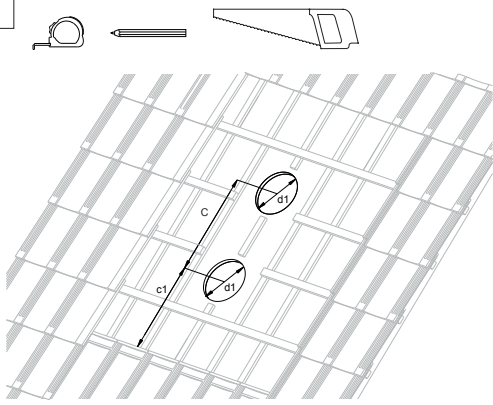
1



Standard installation on horizontal battens, as considered by installer.
Option: Remove horizontal battens, install on vertical battens.

*(Standaard installatie op panlatten, naar inschatting van installateur.)
(Optie: Verwijder de panlatten, installatie op tengels.)*

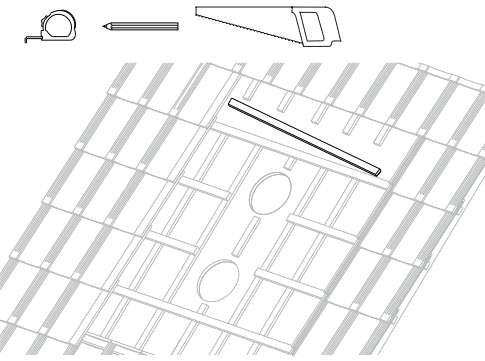
2



Saw the holes in the roof. Do not saw them too large, so that a good sealing of the roof surface remains possible. Keep a gap of approx. 30 mm around the pipes. See page 4 for the table of dimensions.

(Zaag de gaten in het dak. Zaag deze niet te groot, zodat een goede afdichting van het dakvlak mogelijk blijft. Houdt een spleet van 30 mm rondom de leidingen aan. Zie pagina 4 voor de tabel met afmetingen.)

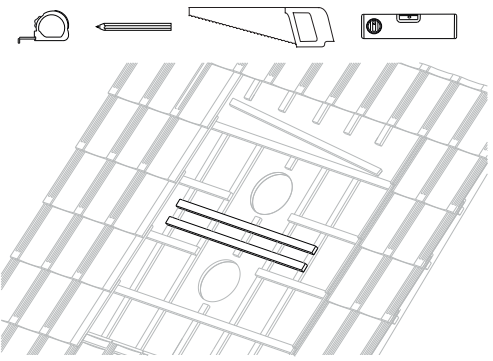
3



Install a diagonal batten (at an angle of 10°) above the sawn holes. This leads water that has gotten under the tiles past the holes. Cut off any vertical battens that get in the way.

(Plaats een diagonale tengel (onder een hoek van 10°) boven de gezaagde gaten. Dit geleidt water dat onder de pannen geraakt is langs de gaten. Onderbreek eventuele verticale tengels die in de weg zitten.)

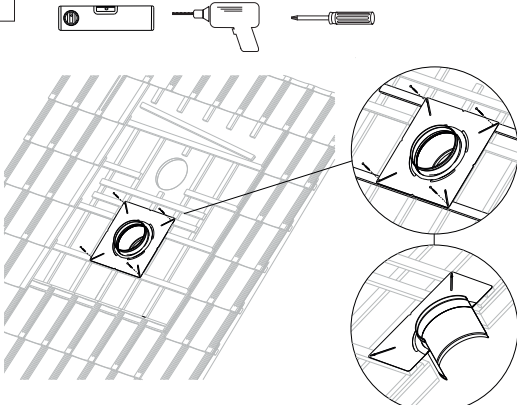
4



If no horizontal battens are present at the location of the roof connectors, install extra horizontal battens, to support the roof connectors.

(Als er geen panlatten aanwezig zijn ter plaatse van de roofconnectors, breng extra panlatten aan ter ondersteuning van de roofconnectors.)

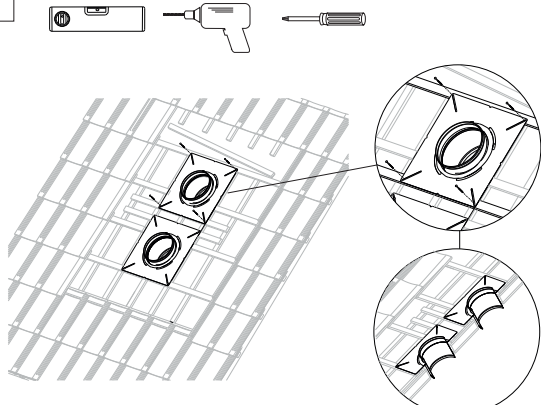
5



Place the lower roof connector in the hole, level it and fasten it to the horizontal battens with screws in the 4 slotted holes.

(Plaats de onderste roofconnector in het gat, stel deze waterpas en bevestig deze op de panlatten met schroeven in de 4 slop gaten.)

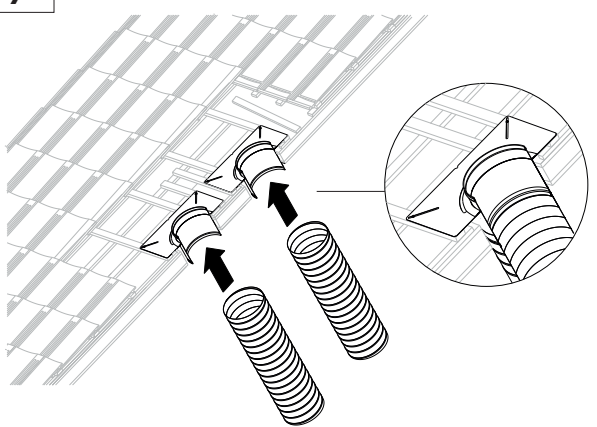
6



Place the upper roof connector in the hole, level it and fasten it to the horizontal battens with screws in the 4 slotted holes.

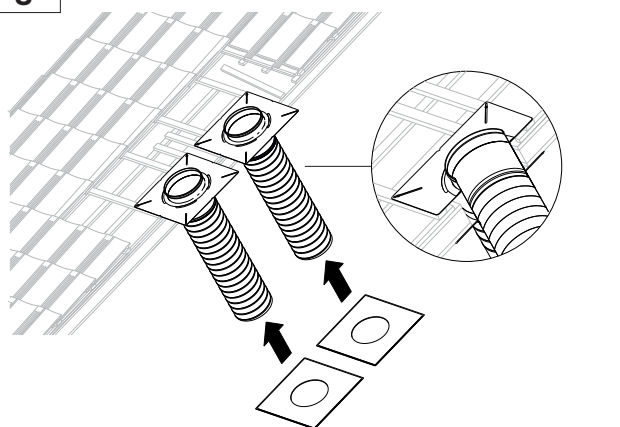
(Plaats de bovenste roofconnector in het gat, stel deze waterpas en bevestig deze op de panlatten met schroeven in de 4 slop gaten.)

7



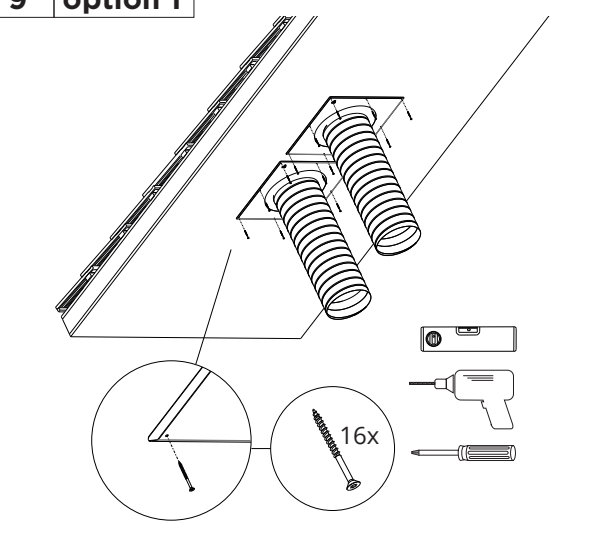
Install the piping from the inside.
For the piping see the instructions as provided by the supplier.
*(Installeer de leidingen van binnenuit.
Zie voor het leidingwerk de instructies van de leverancier.)*

8



Place the damp plates from the inside.
(Plaats de dampplaten van binnenuit.)

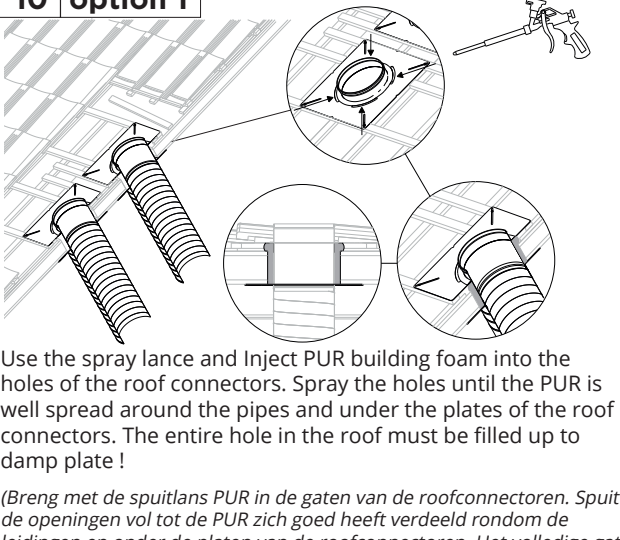
9 option 1



Use the spray lance and inject PUR building foam into the holes of the roof connectors. Spray the holes until the PUR is well spread around the pipes and under the plates of the roof connectors. The entire hole in the roof must be filled up to damp plate!

(Breng met de spuitlans PUR in de gaten van de roofconnectoren. Spuit de openingen vol tot de PUR zich goed heeft verdeeld rondom de leidingen en onder de platen van de roofconnectoren. Het volledige gat in het dak moet worden opgevuld tot aan de dampplaat!)

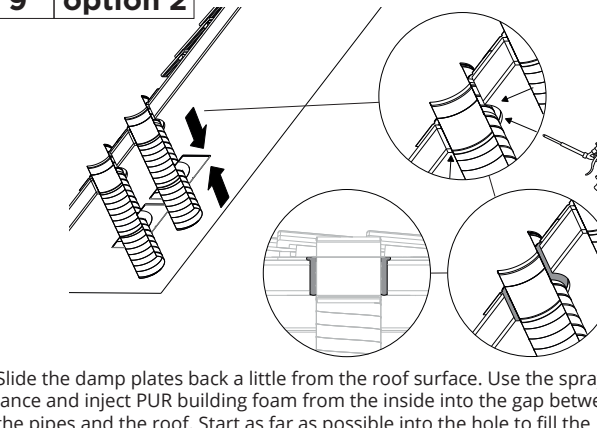
10 option 1



Slide the damp plates back a little from the roof surface. Use the spray lance and inject PUR building foam from the inside into the gap between the pipes and the roof. Start as far as possible into the hole to fill the gap completely. Spray the gaps until the PUR is well spread around the pipes and the roof structure is sealed watertight.

(Schuif de dampplaten iets terug van het dakoppervlak. Gebruik de spuitlans en spuit het PUR-schuim van binnenuit in de opening tussen de buizen en het dak. Begin zo ver mogelijk in het gat om de opening volledig te vullen. Spuit de openingen en vol tot de PUR zich goed heeft verdeeld rondom de leidingen en de dakstructuur waterdicht is afgedicht.)

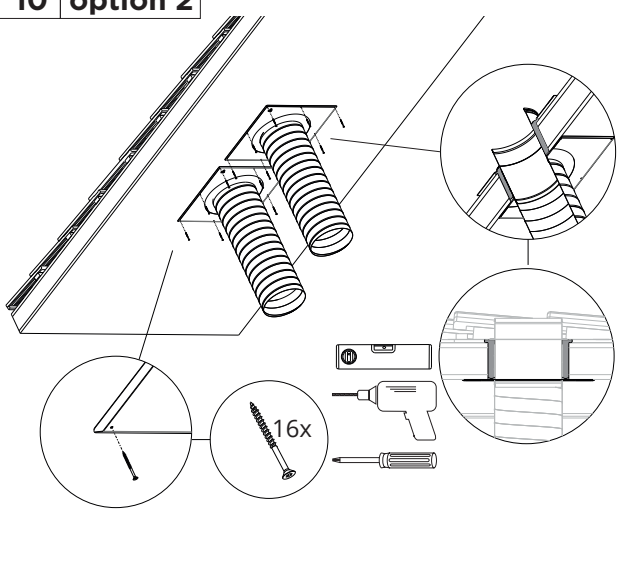
9 option 2



Slide the damp plates back a little from the roof surface. Use the spray lance and inject PUR building foam from the inside into the gap between the pipes and the roof. Start as far as possible into the hole to fill the gap completely. Spray the gaps until the PUR is well spread around the pipes and the roof structure is sealed watertight.

(Schuif de dampplaten iets terug van het dakoppervlak. Gebruik de spuitlans en spuit het PUR-schuim van binnenuit in de opening tussen de buizen en het dak. Begin zo ver mogelijk in het gat om de opening volledig te vullen. Spuit de openingen en vol tot de PUR zich goed heeft verdeeld rondom de leidingen en de dakstructuur waterdicht is afgedicht.)

10 option 2



11



Make sure the roof construction is properly assessed by a structural engineer.

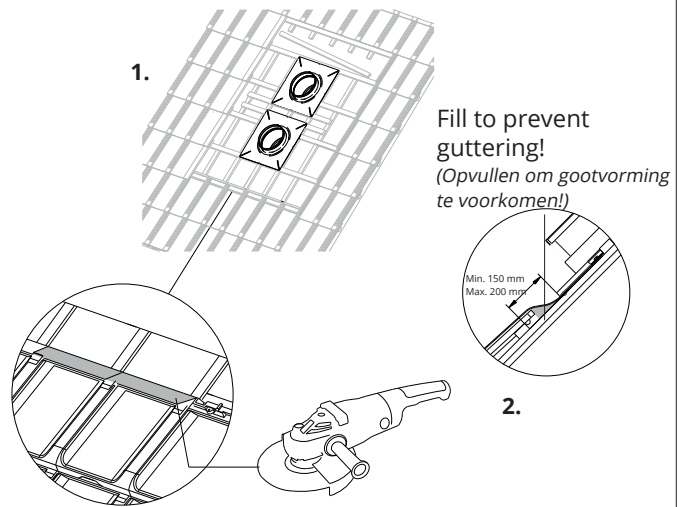
(Zorg ervoor dat de dakconstructie goed wordt beoordeeld door een constructeur.)

1. Make sure that the cover piece is fully supported all around by construction wood. Make sure there is enough construction wood for the mounting screws.

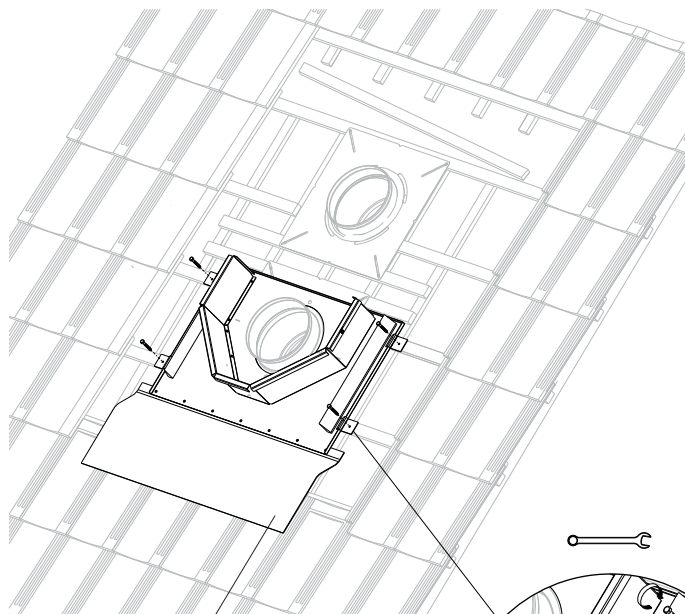
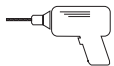
(1. Zorg ervoor dat het inzetstuk rondom volledig wordt ondersteund door constructiehout. Zorg ervoor dat er voldoende constructiehout is voor de bevestigingsschroeven.)

2. Fill to prevent guttering.

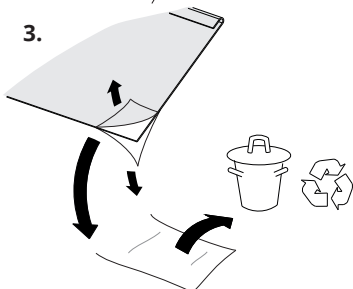
(2. Opvullen om gootvorming te voorkomen.)



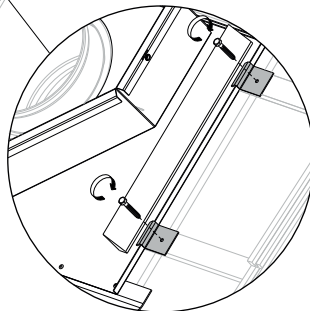
12 Modular



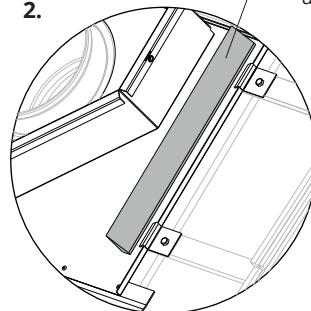
3.



1.



2.

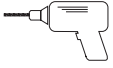


The water barrier strip falls under the roof tile.
(De waterkering strip valt onder de dakpan.)

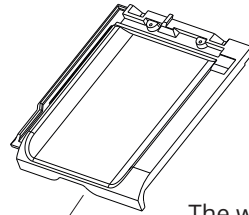
Screws are not included.
(Schroeven zijn niet inbegrepen.)

4x

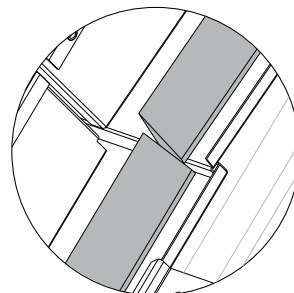
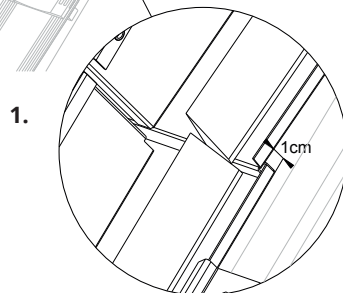
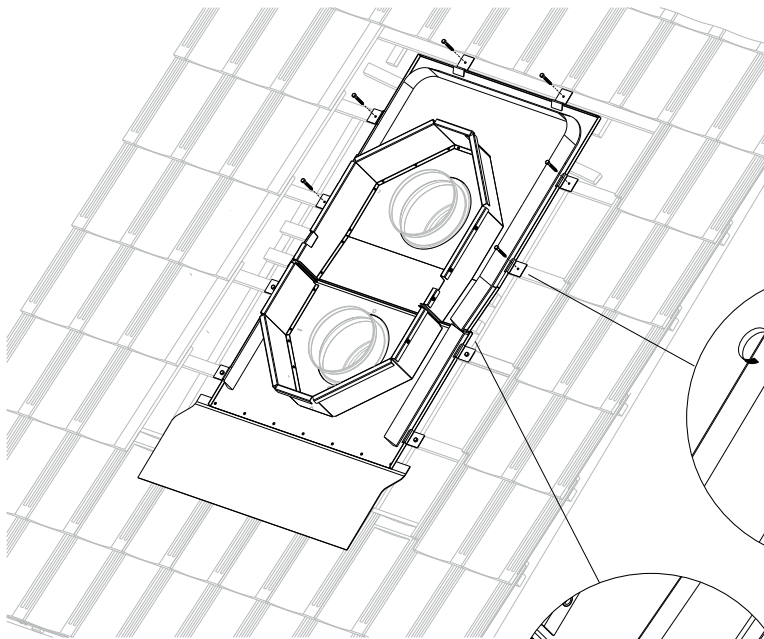
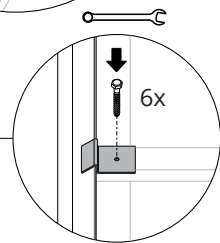
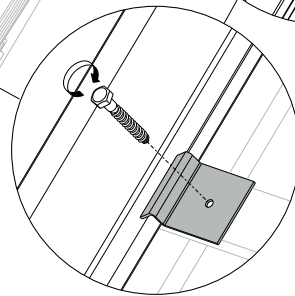
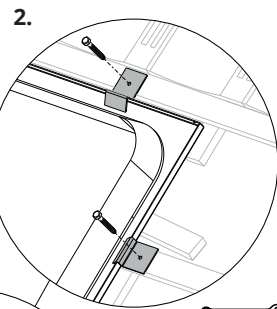
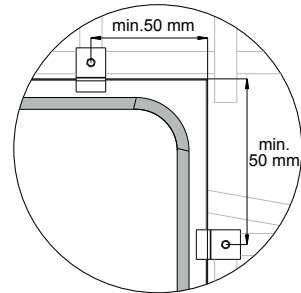
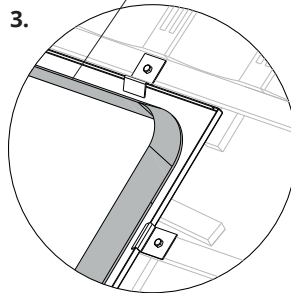
13 Modular



Screws are not included.
(Schroeven zijn niet inbegrepen.)



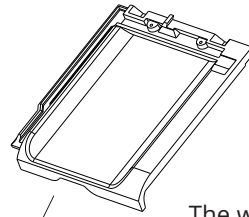
The water barrier strip falls under the roof tile.
(De waterkering strip valt onder de dakpan.)



12 Project

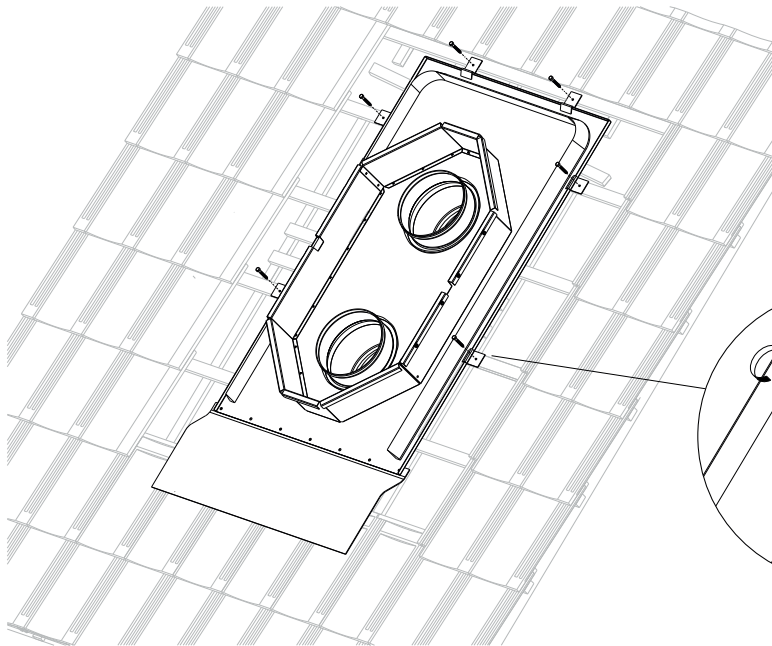
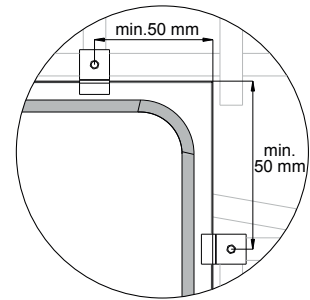
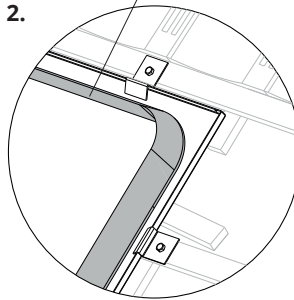


Screws are not included.
(Schroeven zijn niet inbegrepen.)

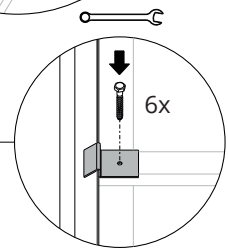
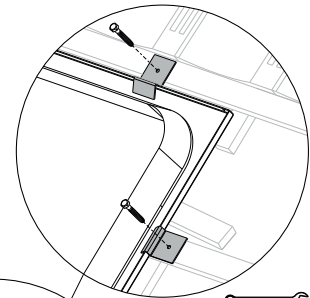
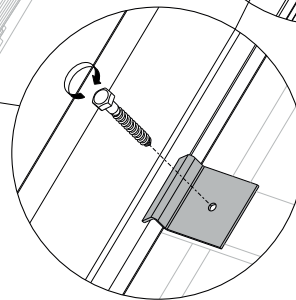


The water barrier strip falls under the roof tile.
(De waterkering strip valt onder de dakpan.)

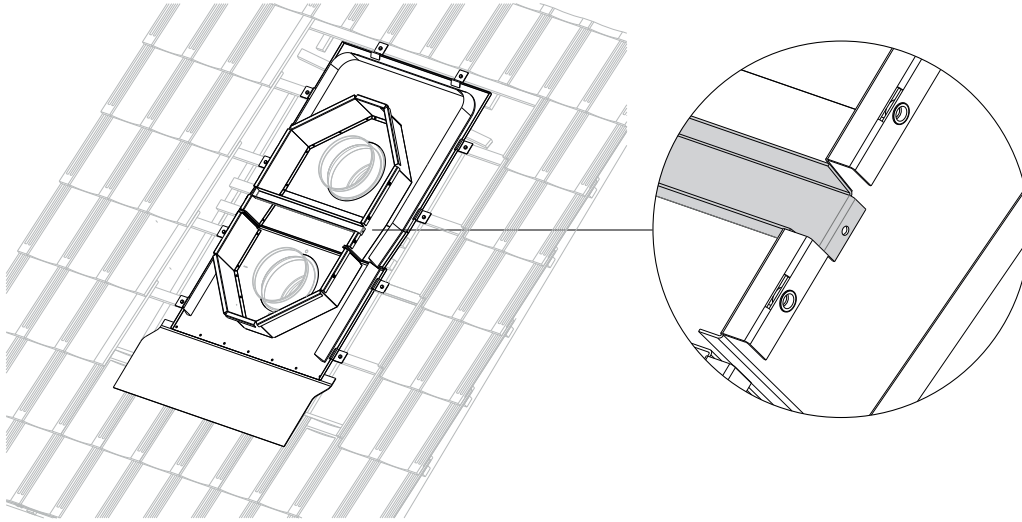
2.



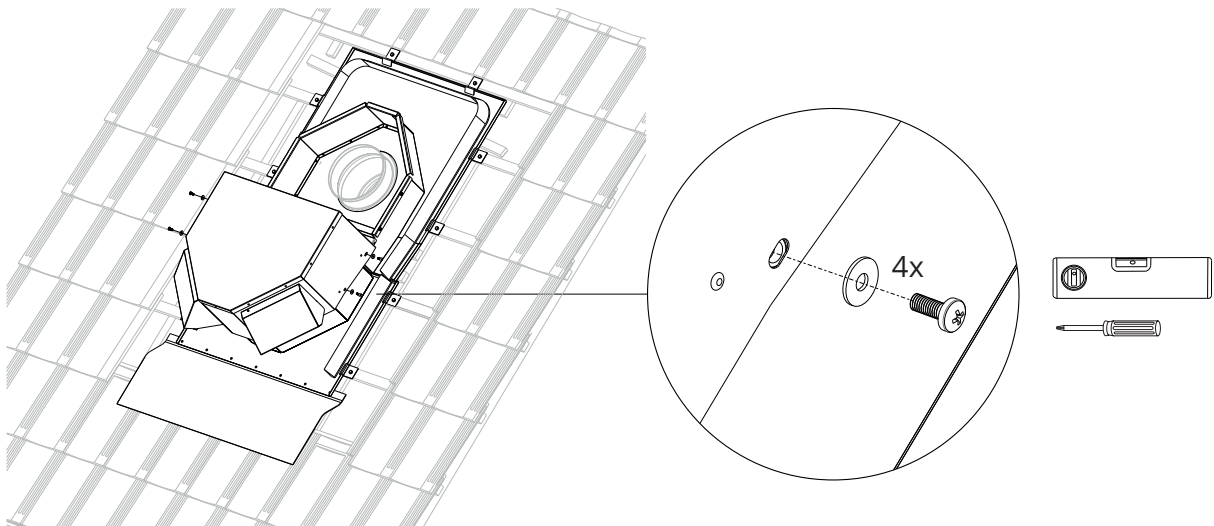
1.



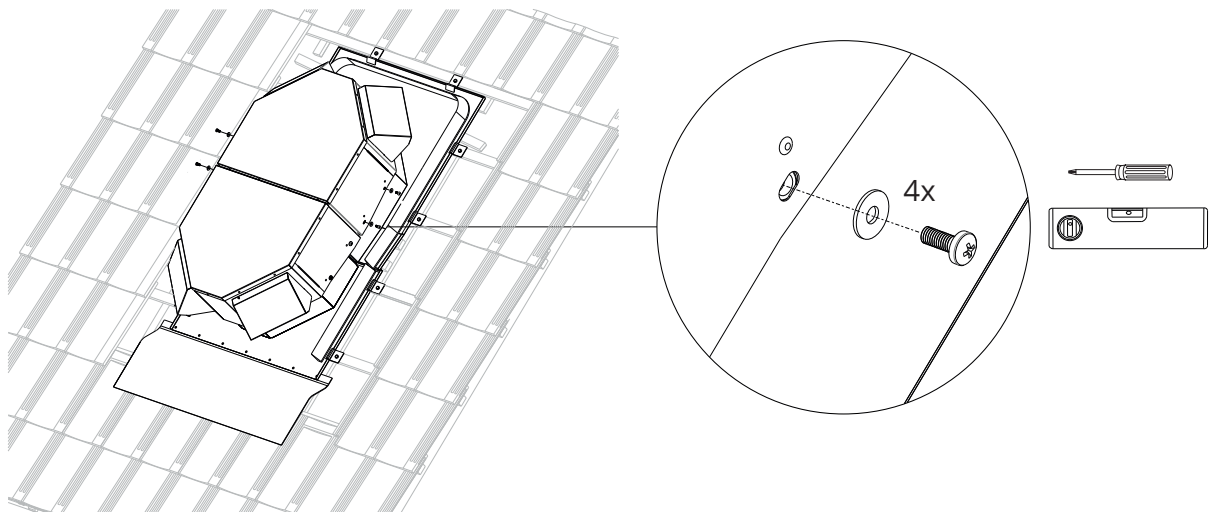
14

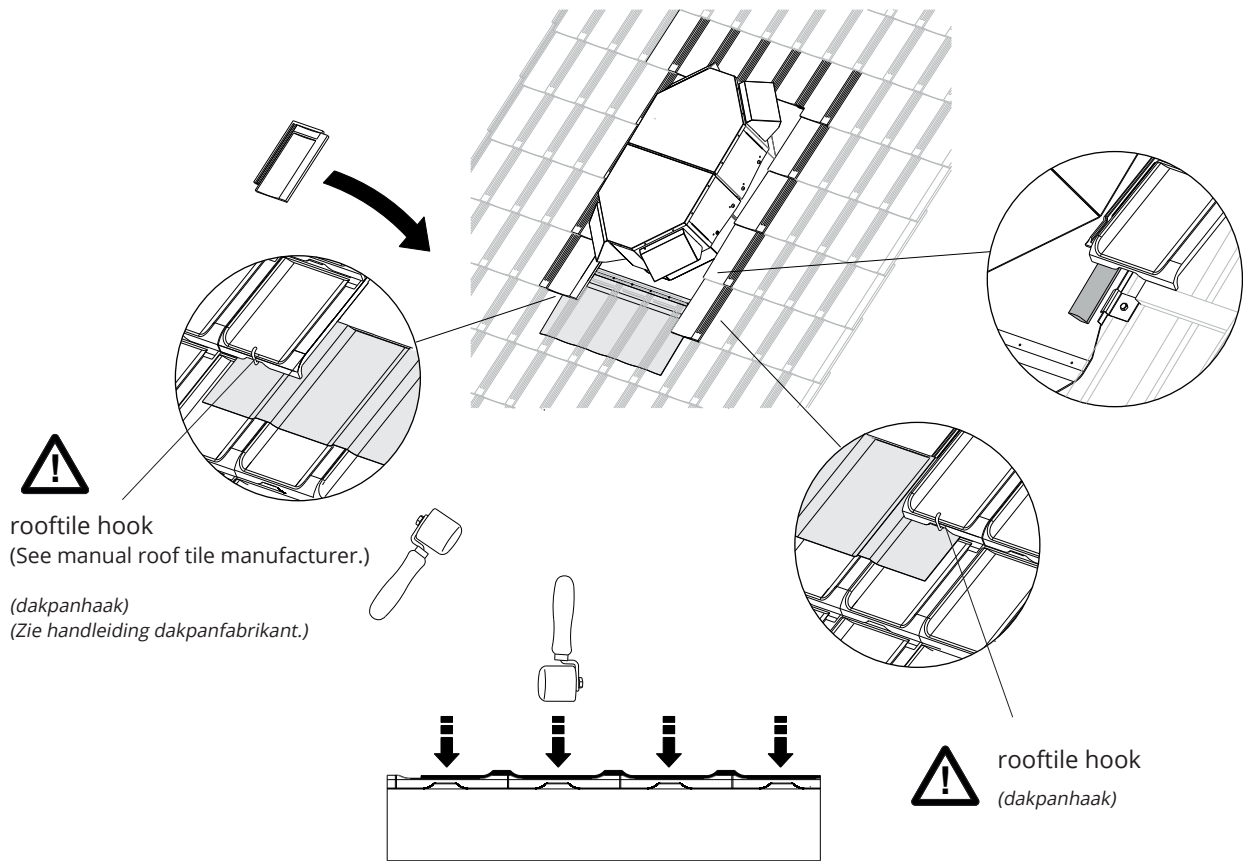


15



16

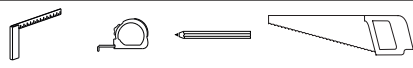
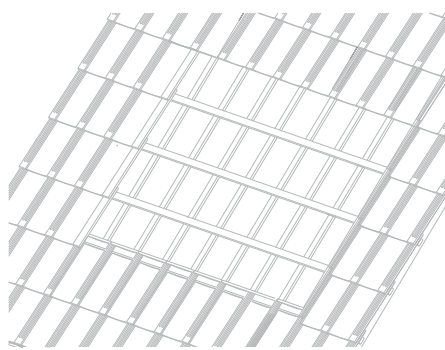




Replace the tiles as prescribed by the tile manufacturer.
If necessary, the tiles can be cut to size. Make sure that the tiles extend at least ± 5 cm over the foam edge attached to the flashing to ensure proper sealing.

*(Leg de pannen terug zoals voorgeschreven door de producent van de dakpannen.
Indien nodig kunnen de pannen op maat worden geslepen. Zorg ervoor dat de pannen minimaal ± 5 cm over de schuimrand dat op het gootstuk is bevestigd heen steken zodat ze de juiste afdichting garanderen.)*

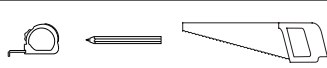
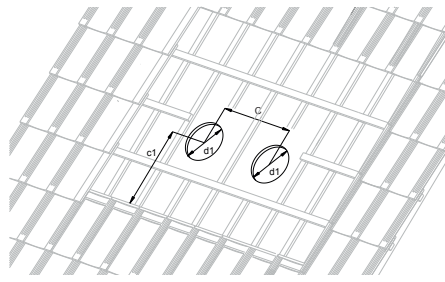
1

Standard installation on horizontal battens, as considered by installer.
Option: Remove horizontal battens, install on vertical battens.

*(Standaard installatie op panlatten, naar inschatting van installateur).
(Optie: Verwijder de panlatten, installatie op tengels.)*

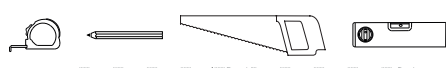
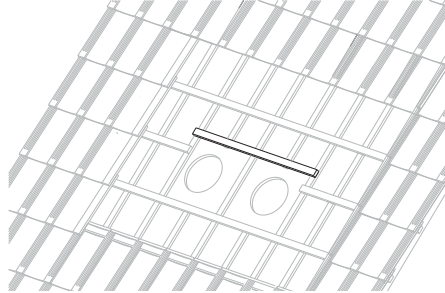
2

Mark out the holes and remove any battens that are in the way. Saw the holes in the roof. Do not saw them too large, so that a good sealing of the roof surface remains possible. Keep a gap of approx. 30 mm around the pipes. See page 4 for the table of dimensions.

(Teken de gaten af en verwijder de panlatten / tengels die in de weg zitten. Zaag de gaten in het dak. Zaag deze niet te groot, zodat een goede afdichting van het dakvlak mogelijk blijft. Houdt een spleet van 30 mm rondom de leidingen aan. Zie pagina 4 voor de tabel met afmetingen.)

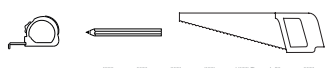
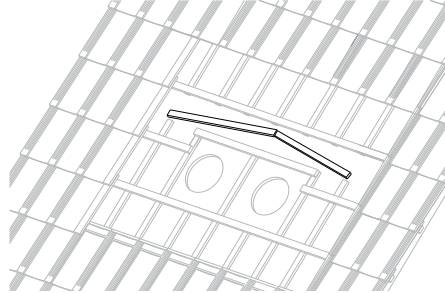
3

If no horizontal batten is present at the location of the roof connectors, install an extra horizontal batten, to support the roof connectors.

(Als er geen panlat aanwezig is ter plaatse van de roofconnectors, breng een extra panlat aan ter ondersteuning van de roofconnectors.)

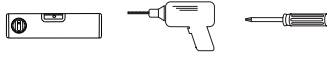
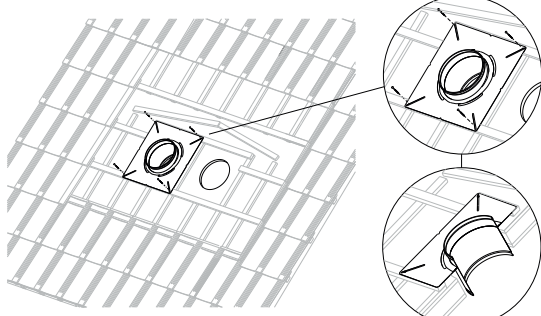
4

Install diagonal battens (at an angle of 10°) above the sawn holes. This leads water that has gotten under the tiles past the holes. Cut off any vertical battens that get in the way.

(Plaats diagonale tengels (onder een hoek van 10°) boven de gezaagde gaten. Dit geleidt water dat onder de pannen geraakt is langs de gaten. Onderbreek eventuele verticale tengels die in de weg zitten.)

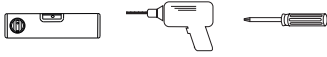
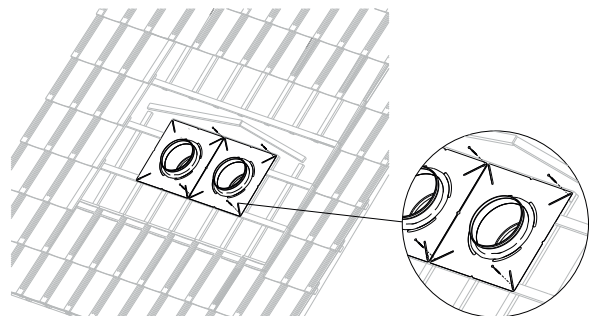
5

Place the left roof connector in the hole, level it and fasten it to the horizontal battens with screws in the 4 slotted holes.

(Plaats de linker roofconnector in het gat, stel deze waterpas en bevestig deze op de panlatten met schroeven in de 4 slop gaten.)

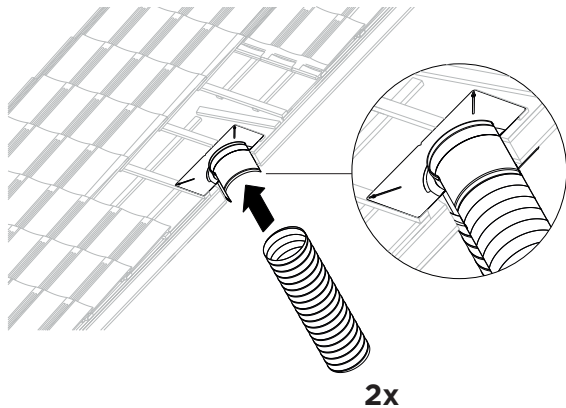
6

Place the right roof connector in the hole, level it and fasten it to the horizontal battens with screws in the 4 slotted holes, whereby the holes should be aligned with the holes of the existing roof connector.

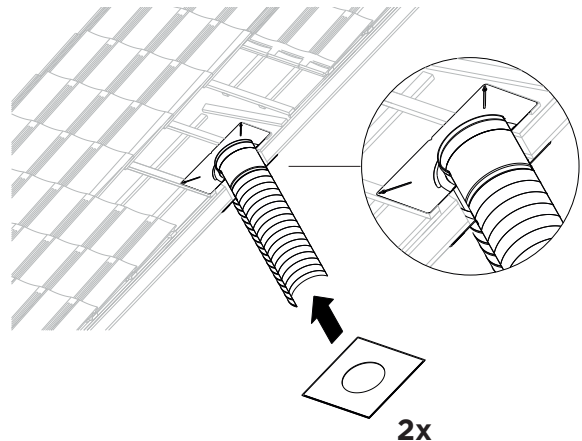
(Plaats de rechter roofconnector in het gat, stel deze waterpas en bevestig deze op de panlatten met schroeven in de 4 slop gaten, waarbij de gaten uitgelijnd dienen te zijn met de gaten van de reeds aanwezige roofconnector.)

7



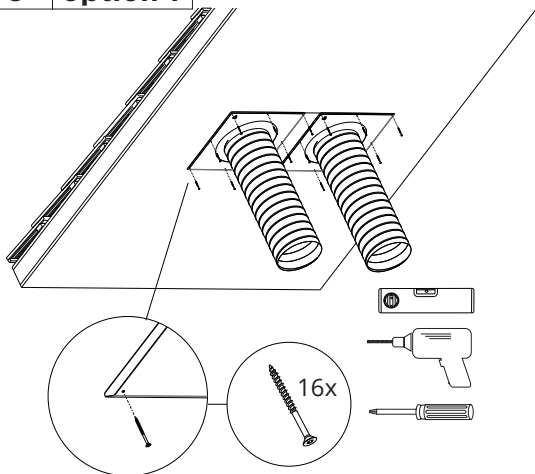
Install the piping from the inside.
For the piping see the instructions as provided by the supplier.
*(Installeer de leidingen van binnenuit.
Zie voor het leidingwerk de instructies van de leverancier.)*

8

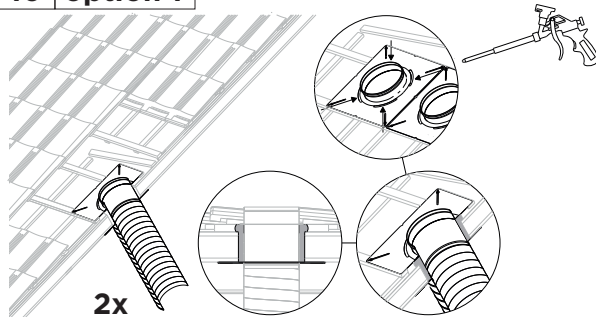


Place the damp plates from the inside.
(Plaats de dampplaten van binnenuit.)

9 option 1



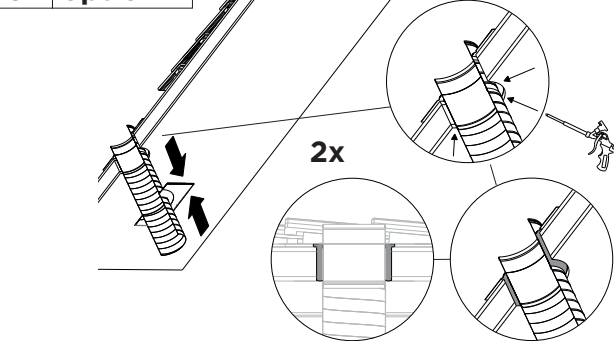
10 option 1



Use the spray lance and Inject PUR building foam into the holes of the roof connectors. Spray the holes until the PUR is well spread around the pipes and under the plates of the roof connectors. The entire hole in the roof must be filled up to damp plate !

(Breng met de spuitlans PUR in de gaten van de roofconnectoren. Spuit de openingen vol tot de PUR zich goed heeft verdeeld rondom de leidingen en onder de platen van de roofconnectoren. Het volledige gat in het dak moet worden opgevuld tot aan de dampplaat!)

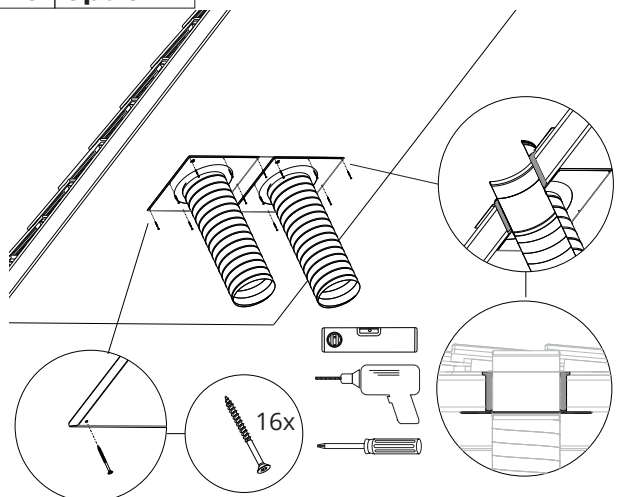
9 option 2



Slide the damp plates back a little from the roof surface. Use the spray lance and inject PUR building foam from the inside into the gap between the pipes and the roof. Start as far as possible into the hole to fill the gap completely. Spray the gaps until the PUR is well spread around the pipes and the roof structure is sealed watertight.

(Schuif de dampplaten iets terug van het dakoppervlak. Gebruik de spuitlans en spuit het PUR-schuim van binnenuit in de opening tussen de buizen en het dak. Begin zo ver mogelijk in het gat om de opening volledig te vullen. Spuit de openingen vol tot de PUR zich goed heeft verdeeld rondom de leidingen en de dakstructuur waterdicht is afgedicht.)

10 option 2



11



Make sure the roof construction is properly assessed by a structural engineer.

(Zorg ervoor dat de dakconstructie goed wordt beoordeeld door een constructeur.)

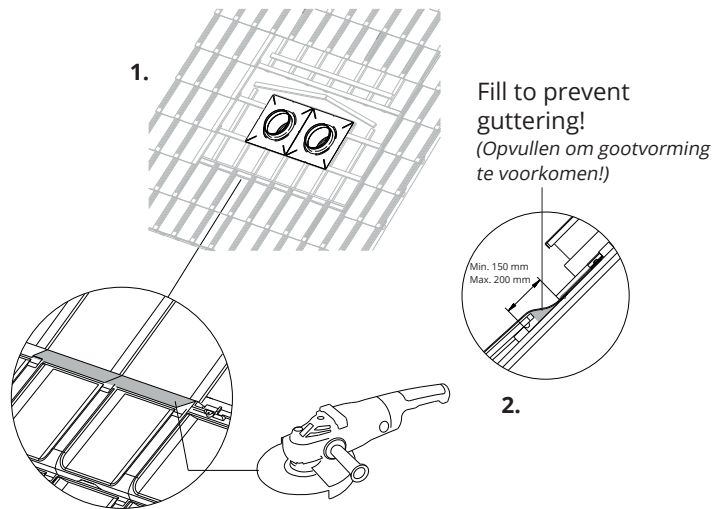
1. Make sure that the cover piece is fully supported all around by construction wood. Make sure there is enough construction wood for the mounting screws.

(1. Zorg ervoor dat het inzetstuk rondom volledig wordt ondersteund door constructiehout.

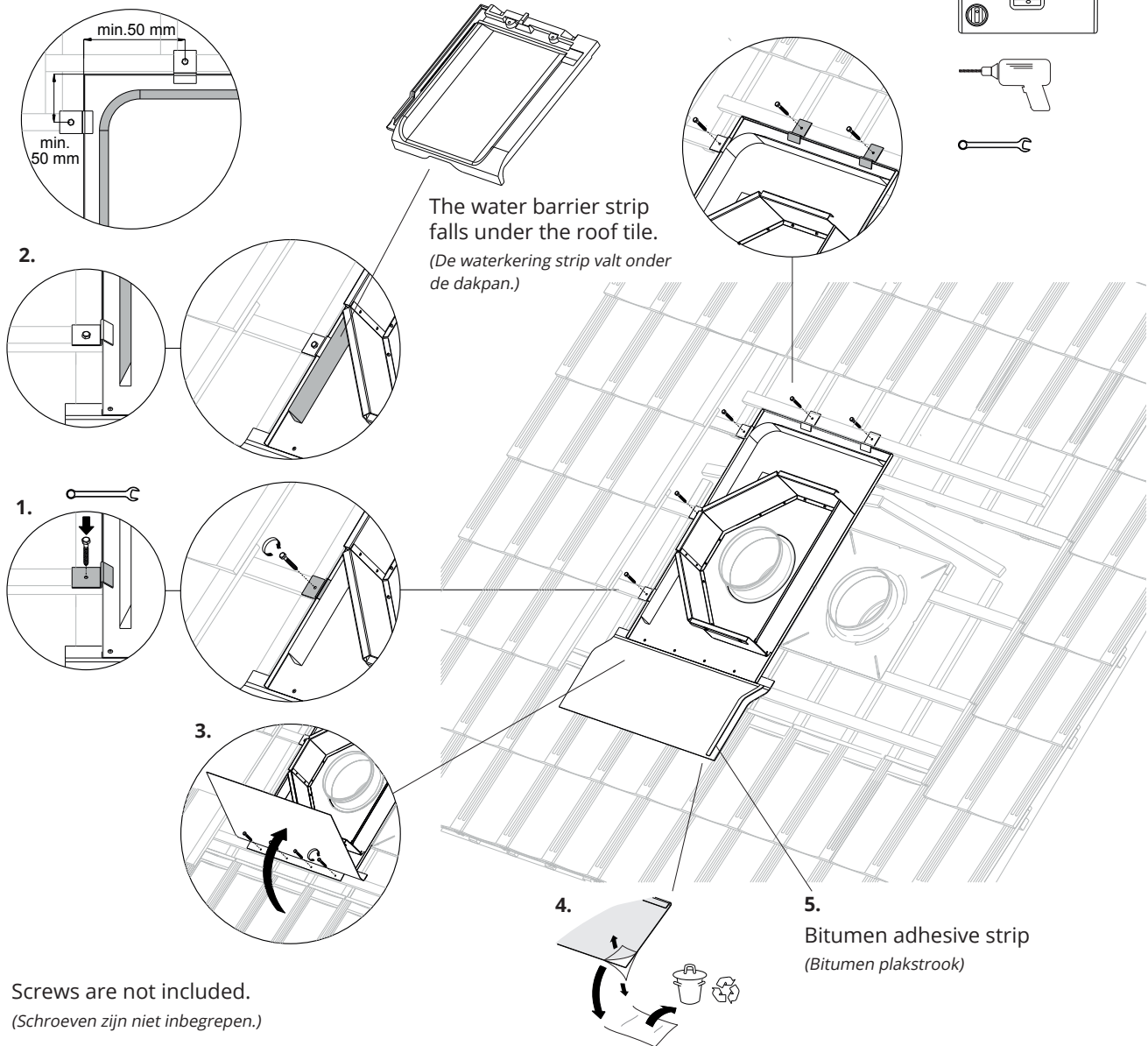
Zorg ervoor dat er voldoende constructiehout is voor de bevestigingsschroeven.)

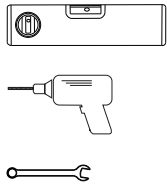
2. Fill to prevent guttering.

(2. Opvullen om gootvorming te voorkomen.)

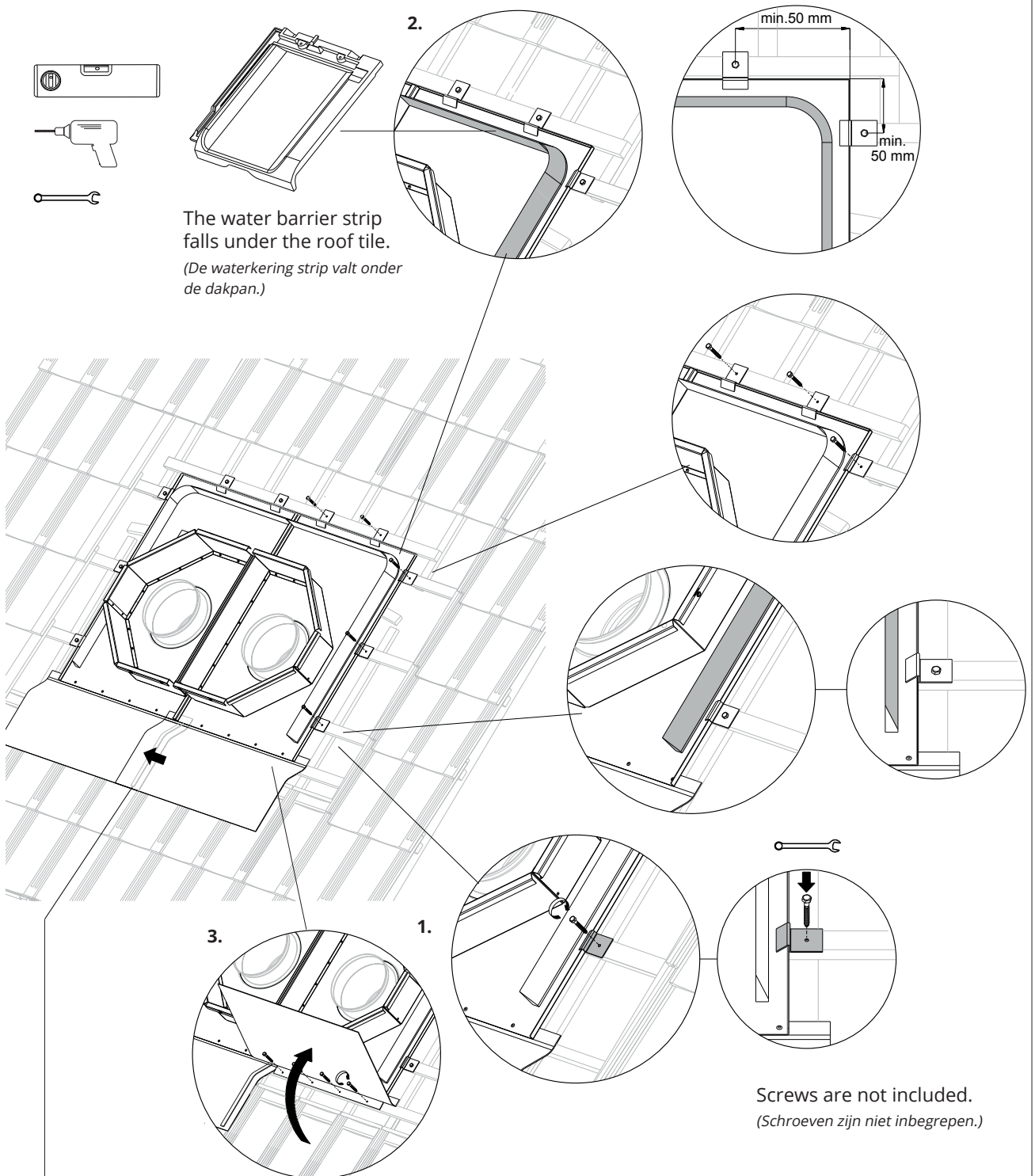


12





The water barrier strip falls under the roof tile.
(De waterkering strip valt onder de dakpan.)



4. The Leadax strip must overlap the strip from the left flashing. The strip must slide between the Leadax and baseplate to overlap correctly.

(De Leadax strip moet de strip van de linker bodemplaat overlappen. De strip moet tussen de Leadax en de bodemplaat schuiven om correct te overlappen.)

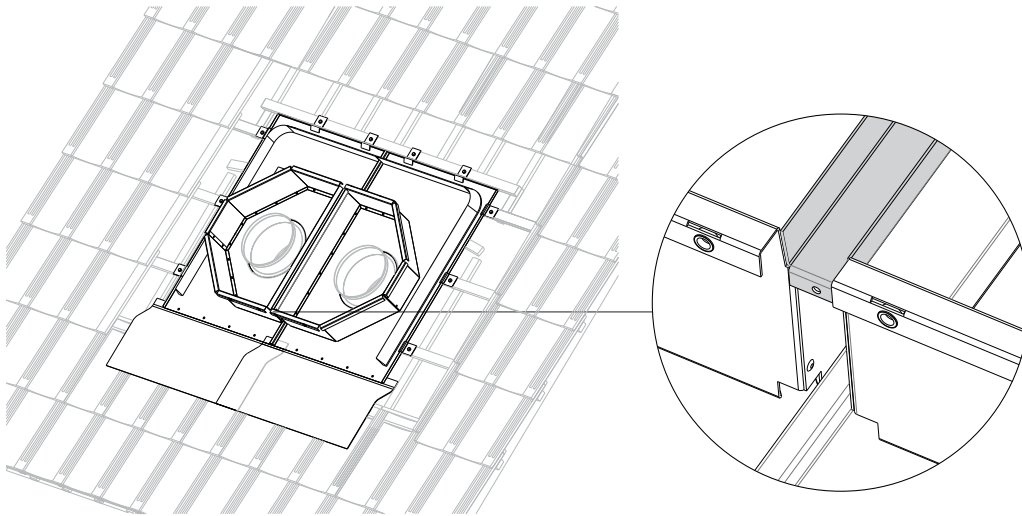
5. Stick the Leadax onto the bitumen adhesive strip.

(Plak de Leadax op de Bitumen plakstrook.)

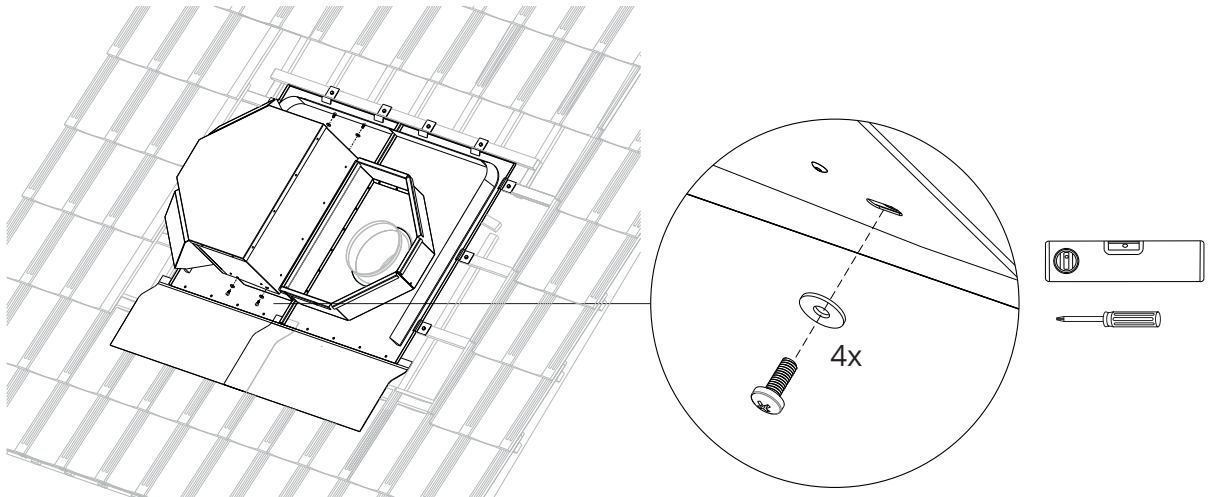
Screws are not included.
(Schroeven zijn niet inbegrepen.)



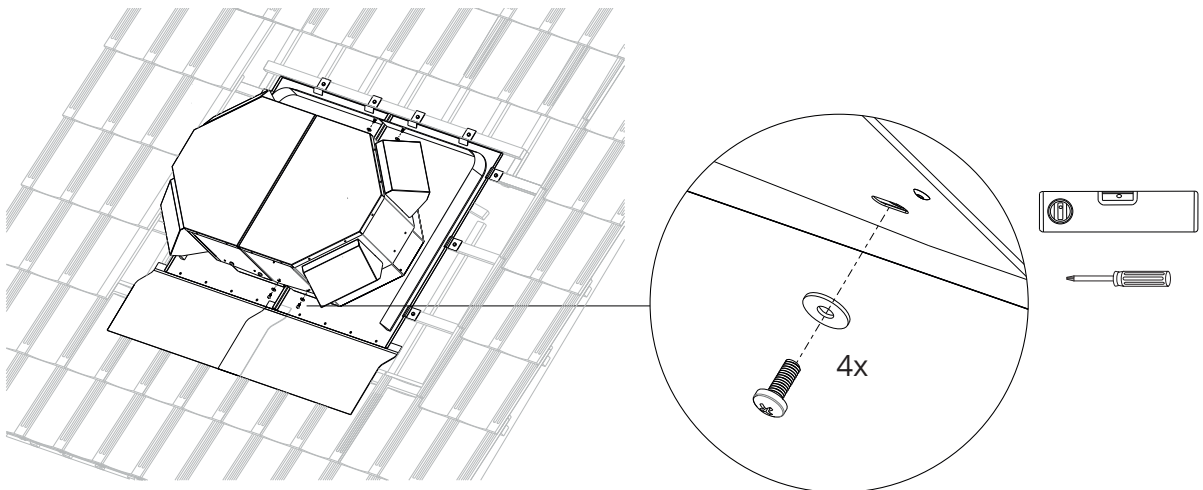
14

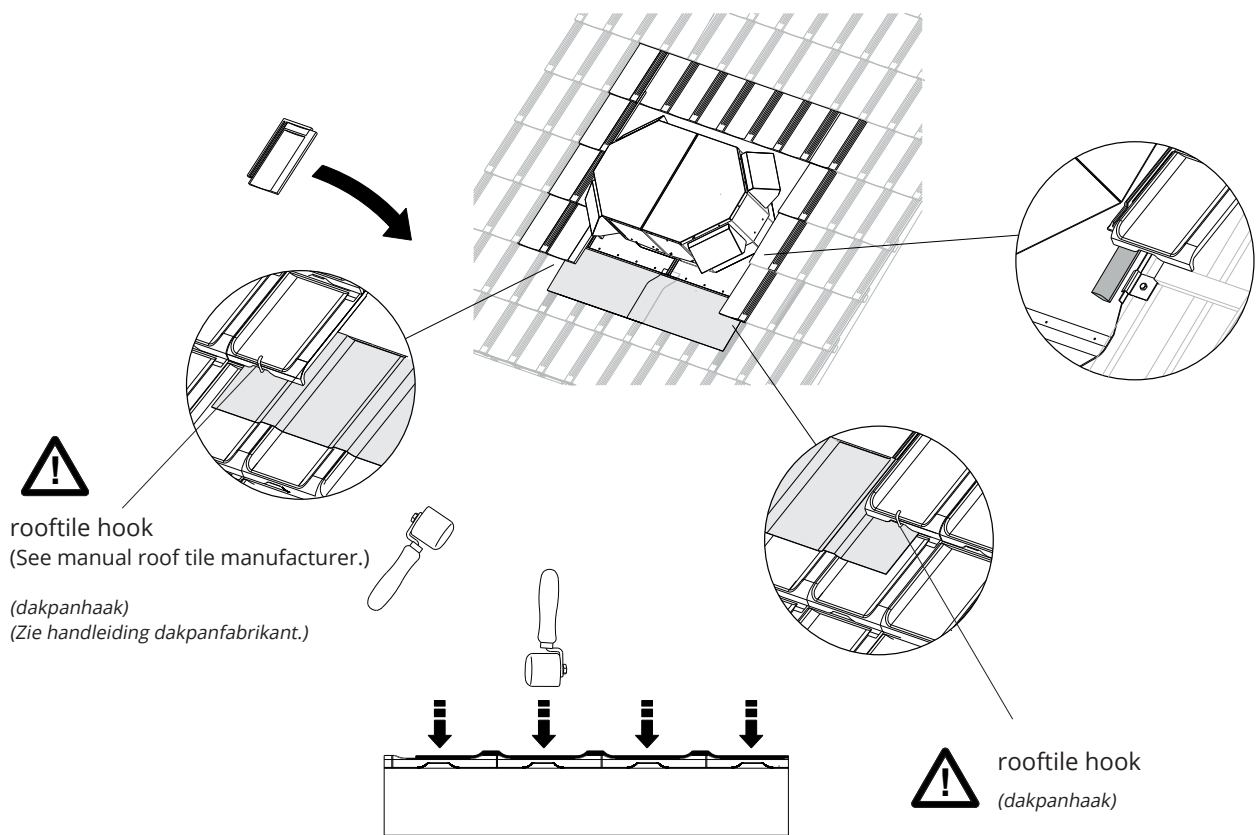


15



16





Replace the tiles as prescribed by the tile manufacturer.
If necessary, the tiles can be cut to size. Make sure that the tiles extend at least ± 5 cm over the foam edge attached to the flashing to ensure proper sealing.

*(Leg de pannen terug zoals voorgeschreven door de producent van de dakpannen.
Indien nodig kunnen de pannen op maat worden geslepen. Zorg ervoor dat de pannen minimaal ± 5 cm over de schuimrand dat op het gootstuk is bevestigd heen steken zodat ze de juiste afdichting garanderen.)*

